

CLAIMS

1. An aerial toy apparatus, comprising:
 - a hollow sleeve member, opening at both ends;
 - a base member to receive and accommodate the hollow sleeve member longitudinally for sliding movement, the base member having a cap at a lower end wherein the cap has a plurality of holes at its outer surface to permit air entrance into the base member when the base member is moved backward and an air insulation member bendably placed at an inner surface of the cap in a position opposite to the holes to prevent air exit from the base member when the base member is moved forward such that the base member moves easily along the hollow sleeve member while maintaining sufficient compressed air thereof;
 - an air chamber into which an upper end of the hollow sleeve member fits securely;
 - a launch tube into which an upper end of the air chamber fits securely to receive the compressed air from the hollow sleeve member; and
 - a flying member having an internal opening at one end mountable onto an upper end of the launch tube to be pushed off of the apparatus by the compressed air released from the launch tube.
2. The aerial toy apparatus of claim 1 wherein the air insulation member is a rubber piece.
3. The aerial toy apparatus of claim 1 wherein the air chamber further comprises a sheath located on a portion of the air chamber to provide safe use of the toy apparatus.
4. The aerial toy apparatus of claim 1 wherein the ratio of the internal diameters of the hollow sleeve member and the launch tube is around 2:1.

5. The aerial toy apparatus of claim 1 wherein the base member further comprises a circle construction at its upper end to protect the base member from frequent collision with the air chamber so as to make the toy apparatus more durable.
6. The aerial toy apparatus of claim 1 wherein the base member may further comprise a layer of blank paper wrapped inside the base member to prevent air leakage.
7. The aerial toy apparatus of claim 1 wherein the flying member may include a soft warhead extended from an upper end of the flying member.
8. The aerial toy apparatus of claim 7 wherein the flying member further comprises one of more circle shaped films inside an internal portion of the flying member to prevent air leakage.
9. The aerial toy apparatus of claim 1 wherein the hollow sleeve member, the air chamber and the launch tube can be sequentially formed as an integral part upon which the flying member is mounted.